

Marked-Up Version of Substitute Specification

A METHOD FOR PROVIDING AN OPTOACOUSTIC OPERATOR'S GUIDE FOR MOBILE RADIO TELEPHONES

BACKGROUND

The present disclosure ~~invention~~ relates to the output of help information on a mobile radio device.

Modern mobile telephones or cell phones offer an increasing number of functions to ~~the~~ a user for the operation of the device itself and for the input of, for example, SMS (short message service) messages or for calling up Internet content. To support the user, help text or information text can be called up, which is then displayed on the display device of the mobile telephone. ~~The~~ A disadvantage of this is that help ~~can~~ may also be provided for the information shown on the display. This means that while the help text is being displayed the user cannot use the telephone properly because the information normally displayed on the display device ~~is necessary for this purpose~~ is not displayed.

~~The object of the invention is to make the use of the mobile telephone easier for the user.~~

~~This object is achieved in accordance with the invention by the features given in the claims.~~

SUMMARY

The function of outputting help text in accordance with the present invention no longer requires the use of the display device of the telephone. The user can ~~therefore~~ read all the information shown in the display in parallel with the help information and use his telephone quite normally. The help text itself is reduced by combining the voice output with an appropriate illuminated button. This makes it easier for the user to understand the operating instructions and also memory space for voice output is saved and the administration of country- or language-versions is simplified.

~~The invention is described in more detail in the following with the aid of an exemplary embodiment.~~

DETAILED DESCRIPTION OF THE PRESENT EXAMPLES

5 The present invention offers the user optoacoustic operating instructions for his mobile telephone. To do this, help topics are stored relative to context in the mobile telephone. ~~This particularly~~ In particular, this means a function-specific or situation-dependent collection of help topics or help information. The output of the help information is activated on demand, ~~for example such as~~ by the press of a button or the input of a suitable voice command.

10 The help information itself, in accordance with the present invention, consists of verbal information in conjunction with a signaling button. This is a button that is illuminated appropriately and also ~~for example, flashes.~~ can flash, as an example. Because buttons on a cell phone ~~the buttons~~ are normally illuminated, this exemplary type of signaling button is ~~particularly easy to realize~~ beneficial. To
15 ~~do this, for example~~ Additionally, the illumination of buttons not involved can be switched off so that the signaling button ~~to be~~ actuated can be easily recognized. Also, the signaling button can be controlled to provide a brighter illumination than the others, as another example.

The present invention combines voice output for help information with the
20 appropriate illumination of one or more buttons. Calling up help functions leads to a voice output of a help text via a ~~loudspeaker~~ speaker in the telephone, for example. Combined with the voice output, the ~~button(s)~~ button or buttons that have to be pressed to achieve the required function can be, for example, ~~be~~ illuminated individually in turn.

25 If it is ~~to~~ necessary to press and hold a button or to press it several times to achieve a specific function, this can be signaled to the user by a correspondingly long or repeated illumination of this button.

~~This help support can take the following course:~~

30 The An example of how this help support is used is as follows. A user keys in an SMS, for example, and does not know how to switch off the T9 mode. He presses a help button and a voice then explains "To switch off T9 in the normal

input mode press". At the same time the relevant button illuminates, ~~in that~~ such as, for example, the brightness of illumination of the other buttons is reduced. In order ~~even in a bright environment~~ to be able to detect which key the help text refers to even in a bright environment, the relevant button can also be controlled so that it is particularly brightly illuminated. It ~~can~~ may also flash and/or the other keys could also be ~~briefly~~ switched off briefly. Pressing the help button again could call up other help texts that can be used in this context. A context-sensitive sequence of offered help text would make the invention even more attractive to the user.

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In the above example, when an SMS is input, an instruction to switch to the normal input mode would not be given when the help button is pressed after detection of a complete word in T9 mode; ~~instead.~~ Instead an explanation, ~~e.g. of~~ would be provided, such as how the SMS can be saved or transmitted, ~~would be provided.~~

Similar examples are to be found in the operation of the telephone book of the mobile telephone, when calling up subscriber lists or calling up Internet content. In ~~all~~ these situations, the information content of the presently active applications that can be displayed simultaneously as help is important to the user.

It should be understood that various changes and modifications to the presently preferred embodiments described herein will be apparent to those skilled in the art. Such changes and modifications can be made without departing from the spirit and scope of the present invention and without diminishing its intended advantages. It is therefore intended that such changes and modifications be covered by the appended claims.

ABSTRACT OF THE DISCLOSURE

Abstract

The ~~invention~~ disclosure relates to ~~the output of a method for outputting~~ help information ~~on~~ in a mobile radio device, in which items of context relevant help
5 information pertaining to operating functions and/or input functions are stored. The ~~invention~~ disclosure provides that, after a request, the help information is output by ~~voice~~ acoustic output and one or more ~~indicating keys~~ signaling buttons.

REMARKS

The present amendment makes editorial changes and corrects typographical errors in the specification, which includes the Abstract, in order to conform the specification to the requirements of United States Patent Practice. No new matter is added thereby. Attached hereto is a Substitute Specification including a marked-up version of the changes made thereto via by the present amendment.

In addition, the present amendment cancels original claim 1 in favor of new claims 2-4. Claims 2-4 have been presented solely because the revisions by redlining and underlining which would have been necessary in claim 1 in order to present this claim in accordance with preferred United States Patent Practice would have been too extensive, and thus would have been too burdensome. The present amendment is intended for clarification purposes only and not for substantial reasons related to patentability pursuant to 35 U.S.C. §§101, 102, 103 or 112. Indeed, the cancellation of claim 1 does not constitute an intent on the part of the Applicants to surrender any of the subject matter of claim 1.

Early consideration on the merits is respectfully requested.

Respectfully submitted,

BELL, BOYD & LLOYD LLC

BY



Patrick B. Law

Reg. No. 41,549

P.O. Box 1135

Chicago, Illinois 60690-1135

Phone: (312) 781-6801

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